

METHOD FOR CONTROLLING ENGINE FUEL INJECTION IN A HYBRID ELECTRIC VEHICLE

Abstract

A method for controlling fuel injection during engine startup in a hybrid electric vehicle. The hybrid electric vehicle includes an engine, a power source, an electrical machine, and a control module. The method includes the steps of driving the engine with the electrical machine, determining whether the engine is at a target state, selecting a cylinder for fuel injection, calculating an amount of fuel to provide to the cylinder, injecting the amount of fuel, and repeating the selecting, calculating, and injecting steps for another cylinder for a predetermined number of iterations.